

Monday, August 28, 2017 10:57:42 AM

165763

Page 1

N900040100

Setup Start *NS1*

Stop *NS2*

Stop *NS2*

6

Cust Item ID:

6

Customer:

Reference:

DAS

Approvals:

Process Plan:

13
9-89

Date: **AUG 28 2017**

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date: _____

Stop *NR2*

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER :					

Work Order ID 165763

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Page 2

Item ID: D4655-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Speaker

Start Date: 8/28/2017 Start Qty: 6.00 ***6***

Cust Item ID:

Required Date: 9/1/2017 Req'd Qty: 6.00 ***6***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* Packaging Packaging	Identify as per dwg & Stock Location: <i>MFOOZ</i> Memo	0.00 0.06				<i>6</i>		SEP 2 5 2017	<i>DAS 6 9-89</i>
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.60					<i>DAS 21 9-89</i>	SEP 2 6 2017	<i>DAS 21 9-89</i> SEP 2 5 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

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Page 1

Work Order ID: 165763

165763

Parent Item: D4655-1

D4655-1

Parent Item Name: Speaker

Start Date: 8/28/2017

Required Date: 9/1/2017

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP REV:A NEW ISSUE 12-10-26 JLM VERIOFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
4C5Z8 *4C578* Speaker		Purchased	No			110	Each	0.0000	1 **	6 6x 8017-9-7			

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

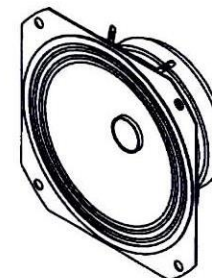
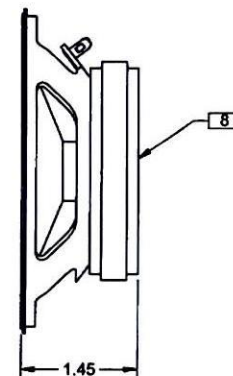
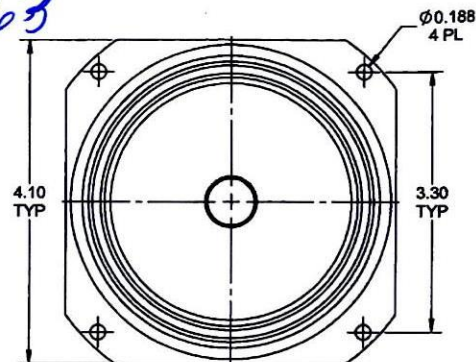
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

DAS
13
9-89

AUG 2 8 2017

W10:165763

SPECIFICATION CONTROL DRAWING



DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURERS PART NUMBER	POSSIBLE VENDOR	POSSIBLE VENDOR PART NUMBER	FREQUENCY RESPONSE	POWER	IMPEDANCE	WEIGHT (lbs)
D4655-1	SPEAKER	QUAM	4C5Z8	NEWARK	33M7709	120 Hz TO 15 kHz	10 WATTS	8 OHMS	0.8

D4655-X SPEAKER

RELEASED
2013-01-30

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 8.1
- 7) WEIGHT: PER TABLE
- 8) STUDS IN THIS AREA TO BE CUT OFF. DO NOT GRIND.

B	REMOVED D4655-3	RF	12.11.30
A	NEW ISSUE	RF	12.07.25
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. B
MFG. APPR.	RF	D4655	SHEET 1 OF 1
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	SPEAKER	NTS
DATE	12.11.30	COPYRIGHT © 2012 BY DART AEROSPACE LTD	
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37623**

Purchase Order Date 8/31/2017

PO Print Date 9/1/2017

Page Number 1 of 2

Order From :

VC-NEW002

Ship To : DART AEROSPACE LTD

NEWARK
C/O T27537 P.O.BOX 4275
POSTAL STATION "A"
TORONTO, ONTARIO M5W 5V8
CANADA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

SEP 01 2017

Contact Name

Vendor Phone

800-463-9275 Ext.Sales

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

Buyer

Diane Baker

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	4C5Z8 As Per Dwg D4655 Rev. B B165763	Speaker	9/7/2017 Yes 9/7/2017		6.00 Each	\$22.88	\$137.28
Line Total:							\$137.28
3	160314-2 as per dwg d4009 rev. b b165868	Receptacle	9/7/2017 Yes 9/7/2017	FN	50.00 Each	\$0.86	\$43.05
Line Total:							\$43.05

Note:

9/1/2017



Packing List

217 Wilcox Drive
Gaffney SC 29341
Orders: 1-800-463-9275
Cust Service: 1-866-752-9279
www.newark.com

Customer PO: PO37623



Rel:

Order #: 517498
No. of Cartons: 1
Number of Lines: 2
Ship Date: 9/17/2017
Bill-To Acct: V1 659740001
Ship-To Acct:

Ship To:
CHANTAL
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7 Canada

Sold To:
CHANTAL LAVOIE
6136325200
clavoie@dartaero.com

Bill To:
DART AEROSPACE LTD
CHANTAL LAVOIE
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7 CA

Ord Line	Cust Po Line	SKU	UOM	Order Qty	Shipped Qty	Previous Shipped	Back Ord. Qty	COO	HTC	ECCN
1	001	33M7709	EA/1	6	6	0	0	US	8518298000	EAR99

LOUDSPEAKER, Product Range:-, External Depth: 1.45"; Frequency Max: 120Hz; Frequency Min: 15kHz

Mfr part#: 4C5Z8
Mfr Name: QUAM NICHOLS

Pick ID:	Pick Qty:	Date Code:	Lot Code:
65699703	5		
65699704	1		

SP 17-9-7.

2	002	26C9835	EA/1	50	50	0	0	US	8536904000	EAR99
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TERMINAL FEMALE DISCONNECT 6.35MM YELLOW; Product Range: PIDG FASTON 250 Series; Wire Size AWG Min: 11AWG; Wire Size AWG Max: 10AWG; Conductor Area CSA: 6mm²; Terminal Type: Female Quick Disconnect; Insulator Colour: Yellow

Mfr part#: 160314-2
Mfr Name: TE CONNECTIVITY / AMP

Pick ID:	Pick Qty:	Date Code:	Lot Code:
65699695	50	1727	

Certificate of Compliance:

The products included in the above shipment are processed in a system certified to ISO 9001:2008 and AS9120 for Quality Management and ISO14001 for Environmental Management. The system is also OHSAS 18001 compliant for Health and Safety Management. This shipment includes the products represented by the Newark SKU or manufacturer's part number as specified in the customer's requirements or in any contract agreed upon by the customer and seller in writing. Further information or certification on the performance, manufacturing process or conformance of a specific product may be available on request, or directly from the manufacturer. This certificate is valid only to the original customer and is not transferable. Contact customer service at 1-800-463-9275 if you have any questions.

Dan Hill
Newark President

THIS ORDER IS SUBJECT TO ALL TERMS AND CONDITIONS DISPLAYED AT:

<http://www.newark.com/terms-and-conditions>

5/17/07/12